

**Agenda
Cordell Bank National Marine Sanctuary
Advisory Council
PRBO Conservation Science
December 3rd, 2008**

Cordell Bank National Marine Sanctuary

**SANCTUARY ADVISORY
COUNCIL**

MEMBERS:

Edmund Smith
Research

Lance Morgan
Conservation

Chuck Wise
Maritime Activity

Susan Anderson
Community-at-Large Sonoma

Education

George Clyde
Community-at-Large Marin

Jaime Jahncke
Research Alternate

Todd Steiner
Conservation Alternate

Josh Churchman
Maritime Activity Alternate

Brian Mulvey
Community-at-Large Sonoma Alternate

Bill McMillon
Education Alternate

Liza Crosse
Community-at-Large Marin Alternate

Time

Topics and Objectives

9:00-9:15

**Welcome, Roll Call,
Review Agenda**
– George Clyde

9:15-9:30

Review September Minutes
– George Clyde

9:30-9:40

Public Comment

9:40-10:15

Manager's Report
– Dan Howard

10:15-10:30

Education Report
– Jennifer Stock

10:30-10:45

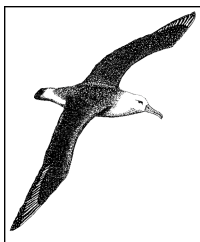
Research Report
– Lisa Etherington

10:45-11:00

Break

11:00-11:30

Council Member Reports
– George Clyde



Cordell Bank National Marine Sanctuary

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Liza Crosse
Community-at-Large Marin Alternate

11:30-11:45

**2009 SAC Meeting Dates and
Priority Topics**

– George Clyde

11:45-12:00

**2009 CB SAC Awards Recipient
List**

– Dan Howard, George Clyde

12:00-12:30

H.R. 1187 Update and Discussion

– Megan Miller, Congresswoman
Boxer's Office

12:30-1:00

Lunch

1:00-1:30

Offshore Drilling Ban Update

– Richard Charter

1:30-2:00

**Climate Change Site Scenario
Working Group**

– Jaime Jahncke

2:00-2:30

National SAC Summit

– Dan Howard

2:30-3:00

**Joint Management Plan and Final
Environmental Impact Statement**

– Dan Howard

**Cordell Bank National Marine Sanctuary
Advisory Council Meeting Minutes
December 3rd, 2008**

Meeting Commenced at 9:20 a.m.

Roll call, Review Agenda – George Clyde

Roll -

Council Members Present:

Jaime Jahncke
George Clyde
Susan Anderson
Bill McMillon
Dayna Matthews – National Marine Fisheries Service Law Enforcement
Lieutenant Brittany Steward – U.S. Coast Guard
Brian Johnson – Gulf of the Farallones National Marine Sanctuary

Voting Alternates

Jaime Jahncke
Bill McMillon

Staff Present:

Rowena Forest
Dan Howard
Jennifer Stock

Agenda Review

Introduction of members of the public:

Vicki Heiner – Napa County Resource Conservation District Volunteer
Terry Shore – Sea Turtle Restoration Network
Gordon Heiner – Sonoma County Resident

Review Last Meeting's Minutes

Motion

Bill McMillon moved to accept 9-04-08 Cordell Bank Advisory Council (SAC) minutes as final

Jaime Jahncke seconds

All in favor

**Cordell Bank National Marine Sanctuary
Advisory Council Meeting Minutes
December 3rd, 2008**

Public Comment – George Clyde

Terry Shore Sea Turtle Restoration Network:

Pacific Leatherback Sea Turtle issues - opposition to long line fishery along the West Coast which would endanger the leatherback sea turtle. Terry discussed the possibilities of partnering on sea turtle conservation with Cordell Bank National Marine Sanctuary (CBNMS), and the Advisory Council. Terry discussed leatherback sea turtle conservation, and options for public outreach and education. Terry suggested the Cordell Bank National Marine Sanctuary Advisory Council (SAC) consider resolutions supporting leatherback sea turtle conservation. Terry handed out Turtle Island Restoration Network literature concerning sea turtle conservation. Terry discussed the current status of the long line fishery on the West Coast. Dan Howard summarized the resolution passed in 2006 by the Cordell Bank SAC regarding conservation of the leatherback sea turtle and the long line fishery. Discussion ensued.

Manager's Report – Dan Howard

Release of the Management Plan and Environmental Impact Statement (EIS) for Cordell Bank National Marine Sanctuary – Dan summarized the Management Plan document, and the regulations in the EIS. Dan summarized the strategies within the Management Plan that address developing a compatibility index and Council participation in that process.

Budget – still on Continuing Resolution

Office Expansion – sanctuary staff met with architects to discuss needs and requirements for expanded office space in the red barn.

Education Report – Jennifer Stock

Oakland Museum exhibit with Cordell Bank NMS

Oceans for Life Program

ACES Grant – Animals Curriculum-based Ecosystem Studies

Ocean Currents Radio Program – Jenny asked the SAC to give her suggestions for radio topics and guests

Video of Point Reyes National Seashore Association/Cordell Bank NMS field seminar to Cordell Bank, and hydrophone recording of dolphin vocalizations at Cordell Bank

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Research Report – Dan Howard for Lisa Etherington

Summary of fishery closures within Cordell Bank National Marine Sanctuary

Lieutenant Steward discussed fishery violations and Coast Guard patrols within West Coast Sanctuaries. Dayna Matthews summarized West Coast fishery violation tracking by the National Marine Fisheries Service (NMFS).

CBNMS oceanographic buoy update – the buoy is missing

Open Research Assistant position for CBNMS

Sanctuaries Expedition web page on the National Marine Sanctuary website

Contract with California Academy of Sciences to sort and identify CBNMS samples and specimens which are housed at the Academy, and in the private collection of Robert Schmieder

At-sea monitoring:

NOAA vessel research time aboard the McArthur – uncertain

RV Fulmar

SRVX

Council Member Reports – George Clyde

The Council discussed the start of crab fishing season. Lieutenant Brittany Steward discussed the commercial crab catch data for the first week of the season.

Jaime Jahncke –

Ocean Protection Council Fisheries Challenge grants

University of Washington and Northwest Region National Marine Fisheries Service project to monitor fishery and seabird interactions in the northwest fishing fleet

Retreat with PRBO, Gulf of the Farallones NMS, Cordell Bank NMS, and U.S. Fish and Wildlife Service regarding zoning strategies, wildlife disturbance, closure areas, integration of data sets and development of a cooperative database to aid in the event of an oil spill or other crisis situation

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Dayna Matthews –

Interagency enforcement within West Coast National Marine Sanctuaries:
Inter-agency action addressing violations and conservation actions during the Mavericks surf competition, which takes place within the Gulf of the Farallones National Marine Sanctuary.

Addressing anchorages and enforcement within Tomales Bay – Gulf of the Farallones National Marine Sanctuary

Dayna discussed enforcement plans within the Cordell Bank National Marine Sanctuary

2009 SAC Meeting Dates and Priority Topics – George Clyde

The Council will set 2009 SAC meeting dates via email within a week

Priority Topics for 2009:

Leatherback sea turtle conservation

Management Plan and compatibility index

Shipping issues – marine mammal ship strikes, acoustics issues, pollution

Climate change – Dr. Feely present effects on intertidal habitats by ocean acidification,

Laura Hansen presentation regarding marine environment climate change adaptations, sea level rise

Alternative Energy

Marine acoustic pollution

Humboldt squid natural history – John Field

2009 Cordell Bank Sanctuary Advisory Council Awards Recipient List

– Dan Howard, George Clyde

Dan will accept names and justifications for award nominations, to be considered for January 2009 award presentation. George recapped the Awards program outline, and in particular the awards categories.

Some nominations from the SAC today include:

KWMR – West Marin public radio station

Oikonos Ecosystem Knowledge

H.R. 1187 Update and Discussion – Megan Miller, Senator Barbara Boxer's northern

California Field Representative

Cordell Bank and Gulf of the Farallones National Marine Sanctuaries Boundary

Modification and Protection Act. Megan summarized the history and progress of the

**Cordell Bank National Marine Sanctuary
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the bill in the House and the Senate. The bill will be reintroduced to Congress in January.

Lunch

Offshore Drilling Ban Update – Richard Charter

Current Status of Ocean Zoning

Richard noted that the National Marine Sanctuaries are the only areas of ocean protected from oil and gas drilling in the United States

Slide of the map of California coast in 1981, before marine sanctuaries in place, and including grid of proposed exclusionary zone, and including areas of interest for oil and gas industry

Similar slide for coast of Oregon

Richard discussed the West Coast Governors Agreement, and support of oil and gas ban Platform A oil spill off Southern California in Federal waters

Definitions of Acronyms:

OCS – Outer continental Shelf

Legislative OCS Moratorium

Presidential OCS Withdrawals

Map of drilling and drilling exempt areas of the U.S. – Richard explained the lease sale areas of the map

Details of the OCS Moratorium

Presidential OCS Deferrals summarized

U.S Department of Interior Minerals Management Service

Details of Bristol Bay, AK natural history and fisheries, and proposed development of the oil and gas industry

Seismic Surveys – explanation

Lack of oil spill response capabilities

Satellite view of Cosco Busan oil spill and the Bay Area

Oil spill in Gulf of Mexico

Richard discussed ocean zoning and wave energy development off Sonoma Coast, and concerns of oil and fuel spills from wave energy devices. Richard noted that Sonoma County may be at the forefront of the development of alternative energy due to Sonoma housing the largest geothermal field in the world.

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Richard dispersed a copy of the resolution drafted by Gulf of the Farallones to the President Obama Administration, requesting restoring protection from offshore drilling.

Climate Change Site Scenario Working Group

– Jaime Jahncke, Dan Howard

Dan introduced the Climate Change site scenario directive from headquarters, and the joint workshop with Gulf of the Farallones National Marine Sanctuary on developing this scenario. Being addressed are possible physical effects of climate change, biological communities involved, and all potential biological impacts of climate change.

Jaime summarized the proceedings of the joint workshop. Jaime will send the official Climate Change Site Scenario working group meeting notes to Rowena, and she will forward the transcript to the SAC.

National SAC Summit – Dan Howard

Dan summarized the request of Dan Basta (Director, National Marine Sanctuary Program) of the SAC's to suggest composition and strategies of a National Advisory Council. The Cordell Bank suggested the following partners for a National SAC:

Sea Grant

National Marine Educators Association

National Science Teachers Association

National Academy of Science

Center for Ocean Science Education Excellence

Department of Energy

USCG

The Advisory Council will get further input on this subject to Lance Morgan, CBSAC Chair, by December 15th, to be sent to Dan Basta.

Joint Management Plan and Final Environmental Impact Statement – Dan Howard

Dan covered this topic in his Manager's Report earlier

Meeting Adjourned 2:30pm

Action Items

Motion

Bill McMillon moved to accept 9-04-08 Cordell Bank Advisory Council (SAC) minutes as final

Jaime Jahncke seconds

All in favor

Attachments

Attachment #1

Education Report – Jennifer Stock

Oakland Museum of CA.

You've heard us talk about a partnership with Oakland Museum in the renovation of their exhibits. This year the museum took a turn for looking at the renovation from a different angle and worked on the potential to do better than previously planned. We were part of some of these planning sessions and they are getting ready to move forward early in 2009. I have been in close contact with the museum and CB will likely be a major piece for the ocean section as well as extending to GFNMS likely (accessibility). Next year I will be working with the exhibits and design team to work on developing content and messages.

Oceans For Life

In 2009, we along with GFNMS will be hosting a special group of students. Oceans For Life will bring multinational students to the US from the Greater Middle East to encourage understanding diversity in cultures. 15 students from the Middle East will be paired up with 15 students from the US and will have an immersive experience in the FK NMS, then travel to CA and work with GF and CB staff to learn about the west coast ecosystem. CB and GF are collaborating on hosting this group. See handout for list of partners.

Whale Tail/ACES grant (Animals in Curriculum Based Ecosystem Studies)

We applied for a Whale Tail grant (funds through the license plate funds collected by the CA Coastal Commission) to fund more ACES workshops next year. The grant provides for funds to host a workshop in the Bay Area, one in Monterey, and one in Channel Islands. Since the curriculum is broad in its regional value, the other CA Sanctuaries wanted to work together to get their teachers on board too. Because of the need for interpreting and using remote sensing data, training is essential for carrying out successful implementation. We worked with Oikonus Ecosystem Knowledge on the grant, if funded the funds will be housed there and we will work together to carry it out.

This past year we carried out our last funded workshops. One in CA, one in NY, and two online workshops. The program only needs funds to host the workshops from here on out, the content is developed.

Radio Programs are done for 2008, will start planning for 2009 shortly, if you have any contacts that you suggest I consider, please do let me know today, via email, or phone, the podcast has been very successful with 15,000 downloads so far. The show broadcasts live the first Monday of every month on KWMR (www.kwmr.org), you can stream it on the internet live if not in the listening radius 90.5 FM pt reyes stn, 89.7 FM Bolinas. The podcast is on cordellbank.noaa.gov, where I post past shows.

Field Seminar

We started this field seminar experience about 5 years ago to provide at least one at sea educational opportunity to this hard to reach spot. We have found that the current combination of ½ day classroom seminar and full day boat trip is working really well to hit our intended goals. The classroom seminar gives the participants an opportunity to learn about CB, the marine mammals and seabirds they may see out there before getting on a moving vessel. They can digest some of the content ahead of time, look over the materials we give out and be more prepared for a meaningful experience at sea as opposed to signing up for a boat trip and showing up to the boat with no background. We had two amazing trips this year, and I wanted to share some highlights. People need something to connect to in some way, to care about something. Next year we are intending to use the Fulmar as a platform, but that will mean much less in regards to participants. So, we are talking and playing around with some ideas about how this program can evolve as it is in high demand.

We are still working with Point Reyes National Seashore and Point Reyes National Seashore Association at an ocean film and lecture series. The last lecture was Nov 19th and we had Scot Anderson and Ron Elliot talk about sharks and we had 186 people attend!

Attachment #2

Research Report – Lisa Etherington

1) Lisa and Michael met with Derek Roy from NOAA Fisheries Office of Law Enforcement to discuss current fishing regulations within Cordell Bank National Marine Sanctuary (CBNMS). The meeting objective was to confirm boundaries and specific regulations associated with eight different Essential Fish Habitat Conservation Areas and Rockfish Conservation Area closures currently in place within the Sanctuary. Lisa and Pam are working on creating a document to summarize each of the closures and produce corresponding maps. Currently, 86% of Cordell Bank sanctuary is closed to some type of bottom-tending fishing gear. The meeting highlighted the need for a continued partnership with NOAA Fisheries for enforcing and understanding the ecological implications of these regulations within the Sanctuary. Michael is working on

integrating this information into United States Coast Guard overflights to aid in enforcing NOAA Fisheries regulations within the sanctuaries.

2) The Cordell Bank buoy has recently gone missing. The cause of the disappearance is unknown; possible explanations include ship strike and intentional foul play. CBNMS staff have been in discussions with Bodega Marine Laboratory staff to determine ways to increase the integrity of the buoy mooring system. Plans are being developed to replace the instruments and install a new buoy on Cordell Bank relatively soon.

3) CBNMS has opened a position for a research assistant. Lisa is currently reviewing applications and will be conducting interviews in the next month. The successful candidate will likely start work in February.

4) CBNMS research and education staff, together with support from the Sanctuaries Web Team, completed an expedition page on a recent cruise aboard R/V Fulmar. The expedition page (<http://sanctuaries.noaa.gov/missions/2008cordellbank/>) highlights the successful operations of testing fishing gear removal techniques on Cordell Bank using a remotely operated vehicle. In addition, the research team fulfilled several secondary objectives, including collecting specimens for identification and museum exhibits, as well as exploring a shipwreck in GFNMS.

5) The CBNMS condition report has undergone external review and Lisa has been editing the report in response to reviewer comments. The final production of the report will likely be spring 2009.

6) Lisa served as Chief Scientist on a cruise aboard the NOAA vessel SRVx from October 16-21 to evaluate the vessel's capabilities to conduct ROV operations. The cruise was a joint effort between CBNMS, the West Coast region, Gulf of the Farallones National Marine Sanctuary (GFNMS) and Marine Applied Research and Exploration (MARE). The objective of the cruise was to collect video data within state waters of GFNMS to ground-truth habitat classification maps created from multibeam data as part of the California Marine Life Protection Act and to characterize associated biological communities. The SRVx is an experimental small research vessel that is under evaluation for use within the National Marine Sanctuary Program.

7) CBNMS has established a contract with California Academy of Sciences (CAS) to identify and catalogue specimens from Cordell Bank to the Academy's invertebrate collection. Most of the specimens were collected by Cordell Expeditions in the 1980s. Information about Cordell Bank specimens will be available through the CAS online database (http://research.calacademy.org/research/izg/iz_coll_db/index.asp). Identification of these previously unsorted specimens will contribute to the invertebrate species list for the Bank.

8) It is uncertain if CBNMS will receive any NOAA vessel McArthur II ship time for 2009. Budget shortfalls due to increasing fuel costs and the potential decommissioning of the NOAA Ship David Starr Jordan has led to shifts in the NOAA ship schedules for 2009.

9) CBNMS staff have developed a schedule for CBNMS use of the R/V Fulmar in 2009. CBNMS Fulmar time will mainly be used for regional ocean monitoring from Bodega Bay to Half Moon Bay in May, July, and September. This is a joint project with PRBO Conservation Science and GFNMS and will continue a regional data set that has been collected since 2004. Two R/V Fulmar days will be dedicated to education activities; Jenny will be leading two Cordell Bank field seminars in the fall. Due to the limited number of Fulmar operational days available in 2009, and the large number of planned internal projects for each of the three sites (MBNMS, GFNMS, CBNMS), there are not any available days for external projects and there will not be a request for proposals for Fulmar time in 2009.

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